

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2003/002622

01 JUN 2005

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 A61K 31/133**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 07 A61K 31/133

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
STN(CA, Medline)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	WO 03/92667 A1(DOOSAN CORP.) 13 NOVEMBER 2003 See the whole document	1-5
A	XIAODONG SHU, et al., "Sphingosine kinase mediates Vascular Endothelial Growth Factor-Induced Activation of Ras and Mitogen-Activated Protein Kinases", Molecular and Cellular Biology, November 2002, 22(22), pp.7758-7768 See the whole document	1-5
A	CHAN WOO KIM, et al., "Extracellular Membrane Vesicles from Tumor Cells Promote Angiogenesis via Sphingomyelin", Cancer Research, November 2002, 62(21), pp.6312-6317 See the whole document	1-5
P, A	US 6610534 B2(NOVARTIS AG.) 26 AUGUST 2003 See the Abstract	1-5

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

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 "O" document referring to an oral disclosure, use, exhibition or other means  
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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
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Date of the actual completion of the international search

18 MARCH 2004 (18.03.2004)

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03/097631 A1	27.11.2003	KR 2042606 A	05.06.2002
US 6610534 B2	26.08.2003	WO 02/28406 A2	11.04.2002
		CA 2424693 AA	11.04.2002
		AU 22471 A5	15.04.2002